

CORRECTED VERSION

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
24 March 2005 (24.03.2005)

PCT

(10) International Publication Number
WO 2005/026589 A1

(51) International Patent Classification⁷: **F16J 15/34**,
F04D 29/58, 29/12

(21) International Application Number:
PCT/EP2004/010459

(22) International Filing Date:
15 September 2004 (15.09.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
MI2003A001780
18 September 2003 (18.09.2003) IT

(71) Applicant (for all designated States except US): **NUOVO
PIGNONE HOLDING S.p.A.** [IT/IT]; Via F. Matteucci,
2, I-50127 Firenze (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **PUGGIONI Mar-
cello** [IT/IT]; Via Giacomo leopardi 20, I-50019 Sesto
Fiorentino (Firenze) (IT). **PELELLA, Marco.** [IT/IT];

Via Ancona 31, I-59100 Prato (IT). **BANCHI, Nicola**
[IT/IT]; Via Ser Lapo Mazzei 17, I-50126 Firenze (IT).
MILANI, Alessio [IT/IT]; Via Ugo Corsi 26, I-50141
Firenze (IT). **BONCINELLI, Marco.** [IT/IT]; Via Pisana
689/2, I-50143 Firenze (IT).

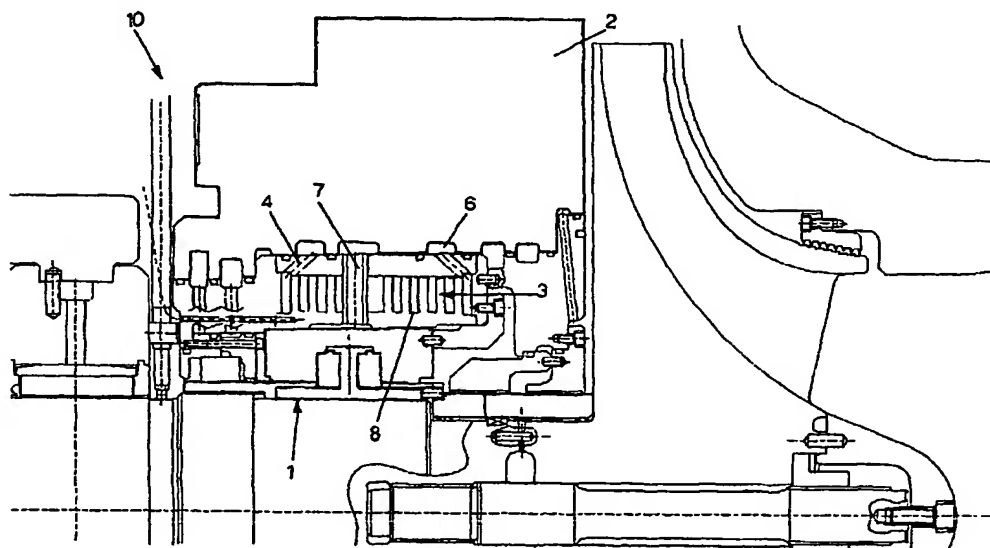
(74) Agents: **DE GREGORI, Antonella** et al.; Ing. Barzano
& Zanardo Milano S.p.A., Via Borgonuovo 10, I-20121
Milano (IT).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

(54) Title: **HEAT EXCHANGER DEVICE FOR A GAS SEAL FOR CENTRIFUGAL COMPRESSORS**



(57) Abstract: Heat exchanger device for a gas seal (1) for centrifugal compressors equipped with a fluid heat exchanger (3) positioned between the gas seal (1) and the housing wall of the seal to keep the temperature of the seal (1) low in the case of high temperatures of the wall and/or compressed gas.

WO 2005/026589 A1



FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

(15) Information about Correction:

see PCT Gazette No. 21/2005 of 26 May 2005, Section II

Published:

— *with international search report*

(48) Date of publication of this corrected version:

26 May 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.